Probing the Spin Structure of the Photon at the EIC

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The theoretical framework for the parton content of circularly polarized photons, Δf^γ, is briefly reviewed. It is then demonstrated that measurements of the double-spin asymmetry for di-jet production at the EIC appear to be particularly suited for a first determination of the so far unmeasured Δf^γ's. The potential of the EIC to pin down Δf^γ is compared to that of other possible future colliders like TESLA or a polarized HERA.